

AIX R6

# Process Control

Modular layout, high data rate

## Inside TTC by LayTec

- ▶ Dynamic Topside Temperature Control (TTC)
- ▶ Eliminates temperature variation for increased reproducibility and yield
- ▶ Enables shorter cycle time
- ▶ Fast calibration by LayTec AbsoluT

## Inside MiniR / MiniRC by LayTec

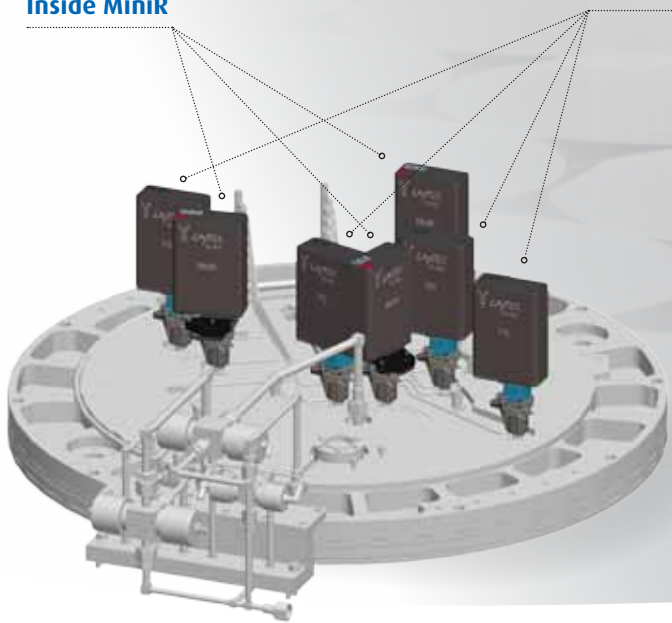
- ▶ MiniR: reflectance at 405 nm and 635 nm
- ▶ MiniRC: adds optional high resolution wafer bow sensing

## Inside P400 by LayTec

- ▶ Inside P400: adds optional 400 nm pyrometry

Inside MiniR

Inside TTC



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DEPOSITION SYSTEMS FOR COMPOUND SEMICONDUCTORS

## AIX R6 Metal Organic Chemical Vapor Deposition

**AIXTRON**  
Our technology. Your future.



METAL ORGANIC CHEMICAL VAPOR DEPOSITION

# AIX R6

AIX R6  
Product Overview

The new Close Coupled Showerhead® MOCVD system fulfills your requirements for LED mass manufacturing. Equipped with numerous technical innovations the system enhances your competitiveness.

6 commitments to customer performance

- ▶ Framework for LED production
  - Enabling short time-to-production
  - Customer service and support specialists
  - System parameters optimized for mass production
- ▶ Systematically lowest Cost of Ownership
- ▶ Large reactor capacity
  - 121x2 inch, 31x4 inch and 12x6 inch
- ▶ Maximized throughput
  - Automation
  - Continuous runs
  - Reliability and uptime
- ▶ Intrinsic yield and uniformity by Close Coupled Showerhead®
- ▶ Focus on user friendliness

AIX R6  
New Features

- ▶ Automated carrier load and unload at high temperature
- ▶ Continuous runs without maintenance
- ▶ LayTec process control
- ▶ Fast temperature cycles
- ▶ User friendly operator interface

User interface

Operator interface

Transfer module

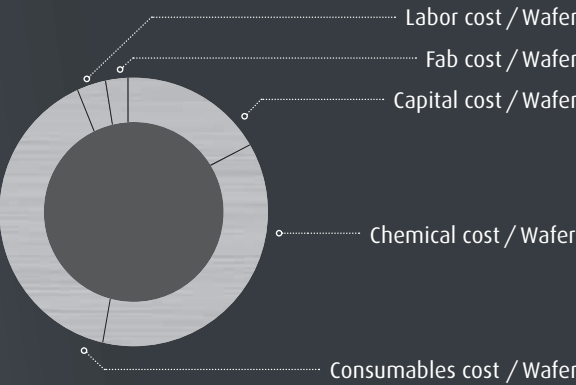
Reactor module

AIX R6  
Unique Advantages of Close Coupled Showerhead® Technology

- ▶ Unmatched precursor efficiency
- ▶ Intrinsic uniformity
- ▶ Dynamic process chamber height adjustment
- ▶ Wide process window

AIX R6  
Cost of Ownership

AIX R6 is your fast route to outperform the CoO benchmark



Contact our local office to experience your CoO benefit

- ▶ Throughput increase
- ▶ Chemical cost decrease
- ▶ Consumable cost decrease

